

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Original) A method of inducing at least one site-directed double-strand break in DNA of a cell, said method comprising

(a) providing cells containing double-stranded DNA,

wherein said DNA comprises at least one I-SceI restriction site;

(b) transfecting said cells with at least a plasmid comprising DNA encoding the I-SceI meganuclease; and

(c) selecting cells in which at least one double-strand break has been induced.

2-22. (Canceled)